

Appl. No. 10/088,478
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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

1 - 9. (*Cancelled*)

10. (*Withdrawn*) An interactive remote diagnostics, therapy and data exchange system implemented in a bi-directional communications link wherein a remote web-based expert data center, a programmer and a personal data messenger (PDM) operating as web-compatible interface medical devices for an IMD are remotely linked to implement remote data exchange relating to diagnostics, therapy and chronic management of the IMD, the PDM unit comprising:

- a bar code scanner;
- an infrared communications port;
- a wireless network interface;
- a serial communications port;
- a memory bank;
- a battery or power system;
- a flat panel display; and
- a microprocessor;

said scanner, said infrared communications port, said wireless network interface, said serial communications port, said memory and said flat panel display being in operable electrical communications with the microprocessor and the power system.

11. (*Withdrawn*) The system of claim 10, wherein said bar code scanner is implemented to record identification documents relating to the IMD before implantation.

12. (*Withdrawn*) The system of claim 11, wherein said bar code scanner stores the identification documents in the memory bank and is structured to transfer the documents to other data storage or exchange systems.

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13. (*Withdrawn*) The system of claim 12, wherein said data storage or exchange system includes a web-based expert data center.

14. (*Withdrawn*) The system of claim 12, wherein said data storage or exchange system includes a programmer.

15. (*Withdrawn*) The system of claim 13, wherein said data storage or exchange system includes a PC.

16. (*Withdrawn*) The system of claim 13, wherein said data storage or exchange system includes a printer.

17. (*Currently Amended*) A method for ~~remote delivery of an~~ remotely conducting interactive patient diagnostics for a patient having one or more implantable medical devices (IMDs), monitoring the patient, and delivery of delivering therapy and clinical care to the patient, all of which is carried out over implemented in a bi-directional communication system establishing a communications network link and wherein comprising a remote web-based expert data center, a programmer for the IMDs, and a hand-held personal data monitor (PDM) PDM operating as an web-compatible interface to the programmer ~~medical devices for an IMD support interactive software and hardware adapted to support monitoring, diagnosis and therapy regimens for the IMDs, wherein a remote data center is in data communications, via a network link, the method comprising the steps of:~~

connecting the programmer to the remote data center for data

communication via the data communications network link;

connecting the PDM to the programmer for data transfer into and out of

the programmer and the remote data center via the data

communications network link; and

uplinking data from the IMD to the programmer.

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18. (*Currently Amended*) The method of claim 17, ~~wherein the PDM is connected~~
further comprising the step of connecting the PDM to the IMD.

19. (*Currently Amended*) The method of claim 17, ~~wherein~~ further comprising the
step of using the PDM is a to transfer data messenger between the IMD, the
remote data center and the programmer.

20. (*Currently Amended*) The method of claim 17, ~~wherein~~ further comprising the
step of using the PDM is implemented to secure an identity ~~identification~~ of the
IMD before implant.

21. (*Currently Amended*) The method of claim 19, ~~wherein~~ further comprising the
step of using the PDM is implemented to transfer pre-implant data to the
programmer.

22. (*Currently Amended*) The method of claim 19, ~~wherein~~ further comprising the
step of using the PDM is implemented to modify, store and forward data for use
in the an unregulated section of the programmer ~~programmer's function~~.

23. (*Original*) The method of claim 18, wherein the data communications network
is an Intranet.

24. (*Original*) The method of claim 17, wherein the data communications network
is an internet.

25. (*Currently Amended*) The method of claim 17, wherein the data
communications network ~~is~~ further includes a satellite.

26. (*Currently Amended*) The method of claim 17, wherein the communications
network ~~is~~ further includes a telephone line.

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27. (*Currently Amended*) The method of claim 17, wherein the data communications network is further includes a global positioning system.

28. (*Original*) The method of claim 17, wherein the data communications network includes at least two communication links selected from the group of communication links consisting of a telephone line, an intranet, an Internet, a satellite, a laser wave form, and a global positioning system.

29. (*Currently Amended*) The method of claim 17, wherein the PDM is ~~implemented as a medical messenger with~~ operates in real time data transmission[,] using data packets routed to the remote data center through ~~the PDM's~~ a high speed wireless network interface coupled to the PDM.

30. (*Currently Amended*) The method of claim 17, wherein the PDM is ~~implemented as a medical messenger with~~ operates in real time data transmission ~~of~~ using data packets routed to the remote data center through ~~the PDM's~~ a serial port coupled to the PDM.

31. (*Original*) The method of claim 30, ~~wherein~~ further comprising the step of connecting the serial port ~~is connected~~ to a ~~standard~~ modem.

32. (*Currently Amended*) The method of claim 17, ~~wherein~~ further comprising the step of using the PDM ~~is implemented~~ to store and forward data to and from a personal computer (PC) ~~PC~~.

33. (*Currently Amended*) The method of claim 17, ~~wherein~~ further comprising the step of using the PDM ~~is implemented~~ to store and forward information to a printer.